1.1 Sattery grid pasting 2 Filling dispensers 3 .Aerosol or gas-charged type 4 Gas or variation of gaseous condition in receiver 5 With filling with fluent non- gaseous materials 6 Counter-pressure type 7 With evacuation of container 8 Wacuum 9 Plural materials 10 Bag filling 11 Mith material treatment 12 Compacting 13 MODIFICATION OF FILLING CYCLE IN GARRANGEMENTS 14 SIPHON BOTHE CHARGING ARRANGEMENTS 15 .For receiver with diverse filling opening 16 With plural heads, stations or materials 17 With gas capsule supporting or materials 18 FILLING OR REFILLING OF DISPENSERS 19 With outer or punch for gas pressure cartridge 10 Aerosols 20 Aerosols 20 Expansible chamber of fluid pressure applying or controlling dispenser is supply container closure 21 Expansible chamber of fluid pressure applying or controlling means 22 Resilient wall 23 Expansible chamber of fluid pressure applying or controlling means 24 Resilient wall 25 Expansible chamber of fluid pressure applying or controlling means 26 Dispense carried expansible chamber pump 27 Container with follower 28 Container with follower 29 Container with follower 31 CAPILLARY TYPE 32 BATTERY GRID PASTING 33 Separate sources applied to opposite sides 44 CENTRIFUGAL FILLING 55 Conting planting 65 Contender pressure applied to opposite sides 66 Container plump 67 With interest in planting dispenser 68 Container mounted jet pump 69 Container mounted jet pump 70 Container sources applied to opposite sides 60 Float controlled by cancer 61 Air pump external to flow line 62 Aerosols 63 Aerosols 64 Air pump external to flow line 65 Aerosols 65 Aerosols 65 Aerosols 66 Aerosols 67 Aerosols 68 Float controlled by cancer 69 Aerosols 60 Aerosols 61 Aerosols 62 Aerosols 63 Aerosols 64 Aerosols 65 Aerosols 66 Aerosols 67 Aerosols 68 Aerosols 69 Aerosols 60 Aerosols 61	1	PROCESSES	36	.Succeeding receiver advanced to
Pilling dispensers 37 DIVERSE FILLID CONTAINING PRESSURE STILLING SYSTEMS INVOLVING RECEIVER GAS CONTENT MODIFICATION Tric infilation Trice iver STILLING SYSTEMS INVOLVING RECEIVER GAS CONTENT MODIFICATION Trice infilation Trice iver Condition Trice iver Trice Tr				
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Next evacuation of container **Nacuum** 9	6		40	
Second controlling dispensing controlling dispensing controlling means Separate applying or controlling means Separate sources applied to opposite sides Caritaling with lateral travel of copposite sides Caritaling with lateral travel of capitaling dead and receiver capitaling with lateral travel of capitaling dead and receiver capitalin	7	With evacuation of container	10	-
10	8	Vacuum	11	
10 .Bag filling 11 .With material treatment 12Compacting 13 MODIFICATION OF FILLING CYCLE IN	9	.Plural materials		
11	10	.Bag filling	42	
12Compacting 13 MODIFICATION OF FILLING CYCLE IN STARTING AND STOPPING 14 SIPHON BOTTLE CHARGING ARRANGEMINS 15 .For receiver with diverse filling opening 16 .With plural heads, stations or materials 17 .With gas capsule supporting or manipulating means 18 FILLING OR REFILLING OF DISPENSERS 19 .With cutter or punch for gas pressure cartridge 10 .Aerosols 11 .Poyeration of means causing or controlling dispensing 12Removable dispenser is supply container closure 13Resilient wall 15Expansible chamber of fluid pressure applying or controlling means 16Container with follower 17Container with follower 18Container wounted jet pump 19Container wounted jet pump 20Container wounted jet pump 21Container wounted jet pump 22Container wounted jet pump 23Container wounted jet pump 24Container wounted jet pump 25Container wounted jet pump 26Container wounted jet pump 27Container wounted jet pump 28Container wounted jet pump 29Container wounted jet pump 20Container wounted jet pump 21Container wounted jet pump 22Container wounted jet pump 23Container wounted jet pump 24Container wounted jet pump 25Container wounted jet pump 26Container wounted jet pump 27Container wounted jet pump 28Container wounted jet pump 29Container wounted jet pump 20Container wounted jet pump 21Container wounted jet pump 22Container wounted jet pump 23Container wounted jet pump 24Container wounted jet pump 25Container wounted jet pump 26Container wounted jet pump 27Container wounted jet pump 28Container wounted jet pump 29Container wounted jet pump 20Container wounted jet pump 21Container wounted jet pump 22Container wounted jet pump 23Container wounted jet pump 24Container wounted jet pump 25Container wounted jet pump 26Container wounted jet pump 27Container wounted jet pump 28Container wounted jet pump 29Container wounted jet pump 20Container wounted jet pump	11	.With material treatment	4.2	
SIPHON BOTTLE CHARGING ARRANGEMENTS 5. For receiver with diverse filling opening 6. With plural heads, stations or materials 7. With gas capsule supporting or manipulating means 7. With cutter or punch for gas pressure cartridge 7. Expansible chamber of fluid pressure applying or controlling means 7. Expansible chamber of fluid pressure applying or controlling means 7. Expansible chamber of fluid pressure applying or controlling means 7. Closurer with fluwer 7. With gas capsule supporting or materials 8. With cutter or punch for gas pressure applying or controlling dispensing 7. Expansible chamber of fluid pressure applying or controlling means 7. Closurer with flollower 7. Expansible chamber of fluid pressure applying or controlling means 7. Closurer with flollower 7. Closurer with flollower 7. Expansible very container with follower 7. Closure type with manually controlled vent 7. CAPILLARY TYPE 7. CENTRIFUGAL FILLING 7. Siphon BOTTLE CHARGING ARANOEMENTS 4. Material returned to supply Associated or in valve or lift operation case control or supply waried, shifted or supplemented during cycle . Gas control or supply varied, shifted or supplemented during cycle . Gas control or supply varied, shifted or supplemented during cycle . Gas cortrol or supply varied, shifted or supplemented during cycle . Gas cycle for pre-treatment of receiver or contents material . Plural or diverse gassing and/ or filling cycles . Shifted to vent or filling in the verseiver . With separate storage of gas displaced from receiver . With separate storage of gas displaced from receiver . With plural diverse passages for gas to receiver or contents material . Vent to drain fill pipe . Three or more . Receiver vented to atmosphere before separation (e.g., snift) . Constant bleed . Container mounted jet pump . Removable pump element . Vacuum cut-off before filling . With lateral travel of registering head and receiver registering head and receiver . Of filled receiver . Of filled receiver	12	Compacting	43	
STRATING AND STOPPING ARRANGEMENTS For receiver with diverse filling opening With plural heads, stations or materials With gas capsule supporting or manipulating means FILLING OR REFILLING OF DISPENSERS With cutter or punch for gas pressure cartridge ARRONGEMENTS ARRONGEMENTS With cutter or punch for gas pressure cartridge ARRONGEMENTS ARRONGEMENTS With cutter or punch for gas pressure cartridge ARRONGEMENTS ARRONGEMENTS With sac apsule supporting or manipulating means With cutter or punch for gas pressure cartridge ARRONGEMENTS ARRONGEMENTE CHARGING ARRONGEMENTS ARRONGEMENT A	13	MODIFICATION OF FILLING CYCLE IN		-
ARRANGEMENTS 15		STARTING AND STOPPING	44	
ARRANGEMENTS 46	14	SIPHON BOTTLE CHARGING		
15 For receiver with diverse filling opening 16 With plural heads, stations or materials 17 With gas capsule supporting or manipulating means 18 FILING OR REFILLING OF DISPENSERS 19 With cutter or punch for gas pressure cartridge 20 Aerosols 20.5 Coating-implement-type receiver 21 By operation of means causing or controlling dispensing container closure 22			_	
filling opening 16	15		46	.System fluid used in seal or in
16 With plural heads, stations or materials 17 With gas capsule supporting or manipulating means 18 FILLING OR REFILLING OF DISPENSERS 19 With cutter or punch for gas pressure cartridge 20 Aerosols 20.5 Coating-implement-type receiver 21 By operation of means causing or controlling dispensing 22 Removable dispenser is supply container closure 23Expansible chamber dispenser 24Resilient wall 25 .Expansible chamber of fluid pressure applying or controlling means 26Dispenser carried expansible chamber pump 27Container with follower 28Container wounted jet pump 29 .Closure type with manually controlled vent opposite sides 31 CAPILLARY TYPE 32 BATTERY GRID PASTING 33 Cgas condition control in housing receiver of receiver of contents material and very container of fluid pressure applying or container with follower opposite sides 34 CENTRIFUGAL FILLING 35 PLURAL CONNECTED RECEIVERS FILLED 36 Sifted or supplemented during shifted or supplemented during shifted or supplemented during cycleGas cycle for pre-treatment of receiver or contents materialPlural or diverse gassing and/or filling cyclesShifted to vent or fill pipeShifted to vent	13			valve or lift operation
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With gas capsule supporting or manipulating means A8 Gas cycle for pre-treatment of receiver or contents material	10	_		shifted or supplemented during
manipulating means 18 FILLING OR REFILLING OF DISPENSERS 49 Plural or diverse gassing and/ or filling cycles Shifted to vent or fill pipe Shifted to vent	1 7			cycle
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## DISPENSERS With cutter or punch for gas pressure cartridge Some pressure applying or controlling dispenser Some pressure applying or controlling means Some pressure applied to opposite sides Some pressure applied to opposite sid	1.0			receiver or contents material
DISPENSERS With cutter or punch for gas pressure cartridge 50 .Shifted to vent or fill pipe .Shifted to vent or fill pipe .Sas condition control in housing for receiver .With separate storage of gas .displaced from receiver .With plural diverse passages for gas to receiver .With plural diverse passages for gas to receiver or head .Vent to drain fill pipe .Three or more .With plural diverse passages for gas to receiver or head .Vent to drain fill pipe .Three or more .With plural diverse passages for gas to receiver or head .Vent to drain fill pipe .Three or more .With plural diverse passages for gas to receiver or head .Vent to drain fill pipe .Three or more .With plural diverse passages for gas to receiver vented to atmosphere .With plural diverse passages for gas to receiver vented to atmosphere .With plural diverse passages for gas to receiver vented to atmosphere .With plural diverse passages for gas to receiver vented to atmosphere .With plural diverse passages for gas to receiver vented to atmosphere .With plural diverse passages for gas to receiver wented to atmosphere .With plural diverse passages for gas to receiver vented to atmosphere .With plural diverse passages for gas to receiver .With plural diverse passages for gas to receiver wented to atmosphere .With plural diverse passages for gas to receiver .With plural diverse passag	18		49	Plural or diverse gassing and/
pressure cartridge 20				
20 .Aerosols 51 .Gas condition control in housing for receiver 21 .By operation of means causing or controlling dispensing 52 .Removable dispenser is supply container closure 54Resilient wall 55Expansible chamber dispenser 56Expansible chamber of fluid pressure applying or controlling means 57Receiver vented to atmosphere before separation (e.g., snift) 58Container with follower 59Container mounted jet pump 58Container mounted jet pump 58Container mounted jet pump 59Container mounted jet pump 50Receiver coupling comprises movable pump element 59Receiver coupling comprises movable pump element 50Container with follower 50Receiver coupling comprises movable pump element 50Container with follower 50Container with follower 50Receiver coupling comprises movable pump element 50Container with follower 50	19		50	
20				
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21		.Coating-implement-type receiver	52	
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29 .Closure type with manually controlled vent 60Receiver coupling comprises movable pump element 31 CAPILLARY TYPE 61Vacuum cut-off before filling 32 BATTERY GRID PASTING 62 .With lateral travel of registering head and receiver opposite sides 63 .Gas treatment 34 CENTRIFUGAL FILLING 64Of filled receiver 35 PLURAL CONNECTED RECEIVERS FILLED 65 EVACUATION APPARATUS			59	.Filling with exhausting the
controlled vent CAPILLARY TYPE BATTERY GRID PASTING Separate sources applied to opposite sides CENTRIFUGAL FILLING PLURAL CONNECTED RECEIVERS FILLED CONTROLLED CONTROL				
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opposite sides 34 CENTRIFUGAL FILLING 35 PLURAL CONNECTED RECEIVERS FILLED 63 Gas treatment 64Of filled receiver 65 EVACUATION APPARATUS			62	.With lateral travel of
opposite sides 34	33			registering head and receiver
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35 PLURAL CONNECTED RECEIVERS FILLED 65 EVACUATION APPARATUS				
BY SERIAL FLOW	35	PLURAL CONNECTED RECEIVERS FILLED		
		BY SERIAL FLOW		

141 - 2 CLASS 141 FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS

	with filling with and	102	
66	.With filling with gas	103	.Separate stations for a single
67	FLUENT CHARGE IMPELLED OR FLUID	104	receiver
68	CURRENT CONVEYED INTO RECEIVER	104	.Selectively utilized sources .With common discharge
69	.Valve bag type WITH MATERIAL TREATMENT	105	Dumping or draining
70	.With fluid contact (e.g.,	107	
70		107	With mingling in or successive path through trap
71	<pre>jetting) .Compacting</pre>	108	SCOOP TYPE FILLER WITH ASSOCIATED
72	Agitation of head and receiver	100	RECEIVER
73	Compacting material in receiver	109	RECEIVER Receiver within scoop or
73 74	Agitation	107	inserter
7 5	Of suspended receiver	110	ABSORPTION AND/OR IMMERSION
75 76	Valve bag chair	111	.With handling means for receiver
77	With distortion of or impact	112	Receiver secured to supply
1 1	on receiver side walls	112	closure
78	Agitating means associated	113	RECEIVER FILLED THROUGH BOTTOM OR
70	with receiver conveyer	113	WHILE INVERTED
79	Rotary conveyer	114	WITH MANIPULATION OF FLEXIBLE OR
80	In filled receiver		COLLAPSIBLE RECEIVER OR SUPPLY
81	With contraction of trap to	115	DRIP PREVENTION BY FLOW REVERSING
01	form charge		AND/OR OVERFILL REMOVAL
82	.Heating or cooling	116	.By means reversing direction of
83	WITH TESTING OR WEIGHING RECEIVER		flow
	CONTENT	117	Expanding chamber in disengaged
84	CONVERTIBLE		head
85	WITH SOIL REMOVING, COATING,	118	By tilting receiver and
	LUBRICATING, STERILIZING AND/		adjoined filler
	OR DRYING	119	Interconnected supply valve
86	.Drip collection		cut-off and vacuum control
87	Collector shiftable to non-use	120	Siphonic return to supply
	position	121	.Separate removal station
88	Collector associated with	122	With subsequent filling
	receiver support	123	Combined displacement
89	.With cleaning, coating or drying		receptacle and vacuum means
	means	124	Receiver tilting or inverting
90	Nozzle cleaner		means
91	Treatment by fluids	125	Wiping, scraping or spatulating
92	Pre-treatment of receiver		<pre>means (e.g., trimming)</pre>
93	.Suction hoods and off-takes	126	.Simultaneous filling and
94	WITH SIGNAL, INDICATOR, RECORDER,		removing
	INSPECTION MEANS OR EXHIBITOR	127	Double acting or plural pumps
95	.Level or pressure in receiver	128	DRIBBLE OR REDUCED FLOW AT END OF
96	Hose nozzle or faucet mounted		CYCLE
97	WITH GUARD OR SCREEN FOR OPERATOR	129	WITH CONVEYING MEANS TO SUPPLY
98	COMBINED		SUCCESSIVE RECEIVERS
99	PLURAL DIVERSE FILLING LINES	130	.Sampler type
100	PLURAL MATERIALS, MATERIAL	131	.Continuous flow type
	SUPPLIES OR CHARGES IN A	132	Receivers with overlapping
	RECEIVER	100	flanges or apertured shields
101	.Lateral travel of registering	133	Receiver carrier forms moving
	head and receiver	104	support for supply
102	.Plural charges from the same	134	With spaced receivers and
	source		redirected flow

135	.With lateral motion of	169	Plural receiver lines to or
136	registering head and receiverBodily lifted or swinging	170	from singleLateral shift at filling
	siphon filling means	170	station between parallel
137	Laterally reciprocating head or		receiver paths
120	trap	171	With change in receiver
138	Interrupted or irregular cycle	170	orientation
139	Automatic control by contents material	172	With lifting or lowering means for receiver for filling
140	No can - no fill	173	With receiver dispenser
141	Power control by receiver	174	Cup-type dispenser
142	Cam track switching	175	Reciprocating discharge means
143	Vertical axis trigger		and receiver guideway
144	Rotary set of heads	176	Conveyer with relatively
145	Common vertical axis for conveyer		movable receiver discharge means
146	With vertically reciprocating	177	.Nozzle, guide or conveyer
	plunger or valve piston for		adjustable to receiver size
	each head	178	.Successive groups or non-
147	With cam or abutment operated		sequential filling of a
	valve or head		receiver series
148	With lift means for receiver	179	From a single uniform line of
149	With additional cushion or		receivers
	yielding lift	180	.Continuously moving conveyer
150	Cam lift or lowered movement		with receiver stop
151	Manually placed receivers	181	.With head, manifold or supply
152	Adjustable to receiver size		lowering means
153	.Automatic control of filling	182	Separate movable or removable
	cycle by contents material		sleeve or funnel supply
154	.Receiver with asymmetrical or		terminal
	flap closed inlet	183	.With interconnected contents
155	.Safety-stop or non-operating	104	discharge means
	interlock between supply and	184	With predetermined number of
	conveyers	105	cycles
156	.Fill triggered by receiver	185	Single group filled by rows
157	Individual receiver controls	186	Plural lines
	the filling cycle therefor	187	With contents gripping or
158	Charge-forming prevention or	188	penetrating discharge means
	charge disposal	_00	With valve period adjustment
159	Power control by receiver	189	By contact with conveyer
160	Servo-system	190	projection
161	Clutch control	190	Ratchet drive for conveyer
162	Power derived from lateral		Cam and gear drives
1.60	motion of receiver	192	AUTOMATIC CONTROL OF FLOW CUTOFF OR DIVERSION
163	.Horizontal axis conveyer	193	.Responsive to relative recession
164	.Receiver supported on side	193	of supply means and receiver
1.55	during filling		engaging means
165	.With relatively movable receiver	194	Ejection or release of filled
1.00	grip or centering means	エノモ	receiver
166	Bag type receiver	195	Discharge assistant control by
167	.With variable rate of receiver	175	filled receiver
160	travel in cycle	196	.Control by test receiver or
168	.Conveyer with additional		chamber or by filled preceding
	receiver conveying or manipulating means		receiver
	manipuracing means		

141 - 4 CLASS 141 FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS

197	.In gas filled receivers	233	Track on receiver supporting
198	.Level or overflow responsive		means
199	Funnel type closed by float	234	PLURAL FILLING MEANS
200	Valve latched in open position	235	.Adjustable lateral spacing of
201	Normally open with closed		heads or receivers
	position holding means	236	.Diverse flow manifold
202	Plural series valves	237	.For plural receivers
203	Valve stem accessible at top		simultaneously filled
	of funnel	238	Supply apportioned prior to
204	Single valve and float stem		delivery
205	Pivoted valve	239	Tilting tray or trough means
206	Manually initiated valve with	240	Grid or cellular insert type
	both manual and level cut-off		divider
	controls	241	Inverted for discharge to
207	With receiver positioned		receivers
207	interlock	242	With discharge means
208	With nozzle dislodgment valve	243	With means for selective
200	trip means	213	operation
209	Manual control disabler or	244	Manifold or divider
209	disconnect	245	Displacement type
210	Separate controls for plural	245	With receiver ejecting and/or
210	series liquid flow line valves	240	accommodating means
211		247	
211	Self-opening valve	247	.Aids to manual filling
212	Float initiates closing	248	.Alternating
010	control	249	WITH CHARGE FORMING MEANS
213 214	Float arm operated valve		CONTRACTING TRANSVERSELY TO
214	Pressure initiated closing	250	FLOW PATH
	control	250	WITH MEANS TO MOVE SUPPLY MEANS
015			
215	Liquid back pressure		AND/OR RECEIVER TO, FROM OR
	completes closing	251	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION
216	completes closingFloat operated valve	251	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION .Relatively receding discharge
	completes closingFloat operated valveDiverse controls for single	251	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver
216 217	completes closingFloat operated valveDiverse controls for single valve		AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means
216 217 218	completes closingFloat operated valveDiverse controls for single valveValve latched open	252	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver
216 217 218 219	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic trip		AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means With external form for receiverWith lift or power drive for
216 217 218 219 220	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip means	252 253	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means With external form for receiverWith lift or power drive for receiver support
216 217 218 219	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level	252	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied
216 217 218 219 220	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustment	252 253 254	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied with position of support
216 217 218 219 220	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level	252 253	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied with position of support . With feeder and additional flow
216 217 218 219 220 221	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustment	252 253 254	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied with position of support . With feeder and additional flow modifier or retarder at foot
216 217 218 219 220 221	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver	252 253 254 255	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied with position of support . With feeder and additional flow modifier or retarder at foot of fill tube
216 217 218 219 220 221	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting means	252 253 254	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means With external form for receiverWith lift or power drive for receiver support Receiver support bias varied with position of support With feeder and additional flow modifier or retarder at foot of fill tube Continuous feeding during
216 217 218 219 220 221	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing	252 253 254 255	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger)
216 217 218 219 220 221 222 223	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to close	252 253 254 255	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) Receding receiver support or
216 217 218 219 220 221 222 223 224	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valve	252 253 254 255 256 257	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) .Receding receiver support or engaging means
216 217 218 219 220 221 222 223 224 225	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip means	252 253 254 255	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) .Receding receiver support or engaging means .Axially reciprocating discharge
216 217 218 219 220 221 222 223 224 225	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver	252 253 254 255 256 257 258	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means With external form for receiverWith lift or power drive for receiver support Receiver support bias varied with position of support With feeder and additional flow modifier or retarder at foot of fill tube Continuous feeding during filling (e.g., rotary auger) Receding receiver support or engaging means Axially reciprocating discharge assistant
216 217 218 219 220 221 222 223 224 225 226	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increase	252 253 254 255 256 257	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means With external form for receiverWith lift or power drive for receiver support Receiver support bias varied with position of support With feeder and additional flow modifier or retarder at foot of fill tube Continuous feeding during filling (e.g., rotary auger) Receding receiver support or engaging means Axially reciprocating discharge assistant Rotatable reciprocating
216 217 218 219 220 221 222 223 224 225 226	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second	252 253 254 255 256 257 258 259	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied with position of support . With feeder and additional flow modifier or retarder at foot of fill tube . Continuous feeding during filling (e.g., rotary auger) . Receding receiver support or engaging means . Axially reciprocating discharge assistant . Rotatable reciprocating discharge assistant
216 217 218 219 220 221 222 223 224 225 226	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second diverse control	252 253 254 255 256 257 258	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means With external form for receiverWith lift or power drive for receiver support Receiver support bias varied with position of support With feeder and additional flow modifier or retarder at foot of fill tube Continuous feeding during filling (e.g., rotary auger) Receding receiver support or engaging means Axially reciprocating discharge assistantRotatable reciprocating
216 217 218 219 220 221 222 223 224 225 226 227 228 229	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second diverse controlSeries flow line valves	252 253 254 255 256 257 258 259	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means . With external form for receiver . With lift or power drive for receiver support . Receiver support bias varied with position of support . With feeder and additional flow modifier or retarder at foot of fill tube . Continuous feeding during filling (e.g., rotary auger) . Receding receiver support or engaging means . Axially reciprocating discharge assistant . Rotatable reciprocating discharge assistant
216 217 218 219 220 221 222 223 224 225 226 227	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second diverse controlSeries flow line valvesFloat control cut-off	252 253 254 255 256 257 258 259	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) Receding receiver support or engaging means .Axially reciprocating discharge assistant Rotatable reciprocating discharge assistant Reciprocating filling tube type discharge assistant With synchronized intermittent
216 217 218 219 220 221 222 223 224 225 226 227 228 229	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second diverse controlSeries flow line valvesFloat control cut-off WITH SIPHON FLOW CONTROL BY	252 253 254 255 256 257 258 259 260 261	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) Receding receiver support or engaging means .Axially reciprocating discharge assistant Rotatable reciprocating discharge assistant Reciprocating filling tube type discharge assistant
216 217 218 219 220 221 222 223 224 225 226 227 228 229 230	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second diverse controlSeries flow line valvesFloat control cut-off WITH SIPHON FLOW CONTROL BY EQUALIZED LEVELS	252 253 254 255 256 257 258 259 260	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) Receding receiver support or engaging means .Axially reciprocating discharge assistant Rotatable reciprocating discharge assistant Reciprocating filling tube type discharge assistant With synchronized intermittent
216 217 218 219 220 221 222 223 224 225 226 227 228 229 230	completes closingFloat operated valveDiverse controls for single valveValve latched openElectromagnetic tripFloat controlled trip meansWith sensitivity or level adjustmentAdjustable receiver engaging or coacting meansWith spring means biasing valve to closeReciprocating valveAir displacement trip meansBy response to receiver pressure increaseExternal initiator as second diverse controlSeries flow line valvesFloat control cut-off WITH SIPHON FLOW CONTROL BY EQUALIZED LEVELS PORTABLE SYSTEMS OR TRACK MOUNTED	252 253 254 255 256 257 258 259 260 261	AND/OR RECEIVER TO, FROM OR DURING FLOW RELATION Relatively receding discharge assistant and receiver engaging means .With external form for receiver .With lift or power drive for receiver support .Receiver support bias varied with position of support .With feeder and additional flow modifier or retarder at foot of fill tube .Continuous feeding during filling (e.g., rotary auger) .Receding receiver support or engaging means .Axially reciprocating discharge assistant .Rotatable reciprocating discharge assistant .Reciprocating filling tube type discharge assistant .With synchronized intermittent supply (e.g., check valve)

263	Relatively receding filling tube and receiver engaging means	292	Valve operator interconnected with receiver inlet engaging
264	With flow stop or severer at foot of fill tube	293	meansPlural valves operated
265	.With means to separate filled receiver and internal form	294	With mechanical or lost
266	.With adjustable movable	295	Concentric open vent
200	component	296	Biased coaxial valve stem and
267	.Unitary receiver support and	250	nozzle
20,	flow controller	297	.Funnel type
268	Rotary or oscillating	298	Concentric vent forms valve
269	.With clamp for receiver	270	stem
200	interconnected with movable	299	Concentric external vent
	head or lift	300	Vent extends along wall to top
270	.Both supply means and receiver	301	.With valve
	support having movement	302	Plural valved passages
271	.Swinging support for receiver	303	Float operated vent cut-off
272	Tilting type support for	304	Swingable nozzle operated
	separating receiver from	301	liquid supply valve
	filling head	305	Rigidly interconnected or
273	Inversion of receiver	303	intergral valves
274	Receiver with gravity operated	306	Gravity seated inversion
	valve	300	opened valve
275	.Receiver lift or lower for	307	With trap or chamber in vent
	filling		passage
276	With interconnected external	308	Air vent to supply cut-off by
	means to control discharge		liquid in receiver
277	Fluid operated lift	309	.With air inlet to liquid supply
278	Yielding lift	310	.Passage formed by head and
279	.With movable support for hose		receiver spacing means
	connected head or supply	311 R	FILLING MEANS WITH RECEIVER OR
280	.Scraping or leveling by lateral		RECEIVER COACTING MEANS
	relative movement of supply	312	.Extensible or expansible
0.01	means and receiver		inserted coupler or centering
281	.With means for manipulating a		means for receiver
	filled receiver for separation	313	.Flexible or collapsible receiver
282	from head or support	314	With bag or liner securing
_	From an external form	0.1 =	means
283	.With movement of receiver in	315	Valve bag clamp and/or chair
204	horizontal plane	316	With inserted or external form
284 285	.Movably mounted supply	215	for bag
205	MULTIPLE PASSAGE FILLING MEANS FOR DIVERSE MATERIALS OR FLOWS	317	With flow controlling means
286		318	.Filling by retracting receiver
200	.With baffle, spreader, displacer, drip ring, filter	210	or cartridge
	or screen	319	.Manually coupled and inverted
287	.With gas expanded seal	320	With discharge assistant, trap
288	.Adjustable outlet element	201	or valve
200	controls level	321	Receiver operated supply
289	.Vent laterally shiftable	200	discharge means or controller
290	.With flue or vent externally	322	Combined supply closure and
270	returning to supply	2 2 2	trap .Siphon type
291	TOCATILITY OF PAPPLY	323	. STUDIOL LVDA
	.With valve operated by receiver		
	.With valve operated by receiver engaging means	324	.Continuous flow or overflow type supply

141 - 6 CLASS 141 FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS

325	.Receiver with plural	357	Receiver applied to plunger-
	compartments or openings		type follower
	(e.g., vents)	358	Scoop or drawer type
326	With means to cap or close an	359	Receiver weight operated
	opening		discharge means
327	Receiver open at both ends	360	Actuator juxtaposed outlet
328	.Filling means or support	361	Servo-system
320	provides handle for receiver	362	Relatively movable actuator
329	.With puncturing connecting means	363	Relatively movable actuator .Filling supply supported by
330	Mounted on receiver	303	receiver
331		264	
	.Funnel type	364	Dumping or draining type
332	With connector, guide or	365	Material guide
	support for separable supply	366	Supply container hand
333	Supply or flow path not		manipulated
	concentric with receiver inlet	367	.Adjustable contact area or
334	Laterally extending spout		plural interchangeable or
335	Valves open when funnel rests		selectively usable coupling
	on receiver		means or flow paths
336	Valve closed by lifting on	368	.Adjustable gauge collar,
	funnel handle		displacement member or seal
337	Flexible, collapsible or	369	.With receiver support, guide
	folding		means, or shield
338	Stored in or on receiver	370	Guide or shield
339	Anti-swirl, anti-splash, cover	371	Reciprocating guard or guide
	or shield	372	Receiver neck or inlet rim
340	With additional support	372	engaging support
341	With additional support	373	For movement of receiver
342	Nonuse	373	laterally of supply outlet
_		274	
343	Supported on supply	374	Fill tube extending to or near
244	container	275	bottom of receiver
344	With valve actuator or extended	375	With support for removable
	stem	256	supply container
345	Relatively movable	376	With adjustable support for
346	.Interlocked discharge means,		supply
	support and/or coupling	377	Receiver swingably supported or
347	With coupling means responsive		supported by bail
	to material flow	378	Plural interchangeable or
348	.Supply means carried receiver		selective or adjustable
	flow control opening means		support for receiver
349	Coupling controls receiver	379	Nonuse position or cover
	inlet flow	380	Receiver supported by supply
350	For inlet with externally		container
	engaged flap or closure member	381	Closure type
351	.Receiver actuated discharge	382	.Flexible hose terminal with
331	means		receiver engaging means
352	Movable supply or head	383	.With receiver and supply
352		303	securing means
223	Receiver coupling telescopes	384	Rotatable collar or sleeve
254	flow path elements	385	Telescoping jaws
354	Mechanical or lost motion		1 3 3
255	connection	386	Fixed flange on supply means
355	Connection external to tube or	211 7	for engagement of receiver
0=6	tube sections	311 A	.Drip prevention
356	Control by contact at bottom	387	FILLING HEAD SHIFTABLY OR
	of receiver		SEPARABLY CONNECTED TO SUPPLY

CLASS 141 FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER 141 - 7 COACTING MEANS

388	.Flexible or collapsible coupling
	section
389	Hand-held head
390	INSERTED OR EXTERNAL FORM OR
	PROTECTOR
391	MATERIAL GUIDES OR SUPPLY WITH
	RECEIVER SUPPORTS (I.E., AIDS
	TO MANUAL FILLING)
392	MISCELLANEOUS (E.G., FILLING
	HEADS)

FOREIGN ART COLLECTIONS

FOR CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1 MAGNETIC

DIG 2 FLUIDIC FLOW CONTROL VALVES

141 - 8 CLASS 141 FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS